

1 STATUS OF THE CLAIMS

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- 3 1. **(Original)** A separator device, comprising:
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- 5 A) a wound conduit member having an internal surface and an
6 outermost wall portion and including an inlet and an outlet,
7 and said outermost wall portion including a plurality of
8 through openings with an inwardly extending wall
9 cooperatively disposed adjacent and downstream to said
10 through openings at an angle to facilitate the exit of solids by
11 defining an entrance adjacent to said outermost wall portion;
- 12
- 13 B) means for applying a pressure differential between said inlet
14 and outlet so that a fluid having small particles in suspension
15 entering said inlet is forced through said wound conduit
16 member and out through said outlet causing said small
17 particles to be forced out through said through openings by the
18 action of centrifugal forces; and
- 19
- 20 C) housing means wherein said wound conduit member is
21 mounted therein thereby containing said small particles.
- 22
- 23 2. **(Original)** The device set forth in claim 1 wherein said
24 outermost wall portion includes outwardly extending walls for each
25 of said through openings cooperatively disposed adjacent and
26 upstream to said through openings to prevent said small particles
27 from coming back inside said conduct member, said outwardly
28 extending walls are cooperatively disposed at an angle to facilitate

1 the exit of said liquid by defining an entrance adjacent to said
2 outermost wall portion.

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4 **3. (Original)** The device set forth in claim 2 wherein said
5 inwardly extending wall is positioned at an angle between 15 and 45
6 degrees with respect to said internal surface.

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8 **4. (Original)** The device set forth in claim 3 wherein said
9 outwardly extending wall is positioned at an angle between 15 and
10 45 degrees with respect to said outermost wall portion.

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12 **5. (Original)** A separator device, comprising:

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14 A) a wound conduit member having an outermost wall portion
15 and including an inlet and an outlet, and said outermost wall
16 portion including a plurality of through openings with an
17 inwardly extending wall cooperatively disposed at an angle to
18 facilitate the exit of liquid by defining an entrance adjacent to
19 said outermost wall portion;

20
21 B) means for applying a pressure differential between said inlet
22 and outlet so that a fluid having liquids in suspension entering
23 said inlet is forced through said wound conduit member and
24 out through said outlet causing said liquid to be forced out
25 through said through openings by the action of centrifugal
26 forces; and

1 C) housing means wherein said wound conduct member is
2 mounted therein thereby containing said liquid as it exits said
3 conduit member.

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5 6. **(Original)** The device set forth in claim 5 wherein said
6 outermost wall portion includes outwardly extending walls for each
7 of said through openings cooperatively disposed adjacent and
8 upstream to said through openings to prevent said small particles
9 from coming back inside said conduct member, said outwardly
10 extending walls are cooperatively disposed at an angle to facilitate
11 the exit of said liquid by defining an entrance adjacent to said
12 outermost wall portion.

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14 7. **(Original)** The device set forth in claim 6 wherein said
15 inwardly extending wall is positioned at an angle between 15 and 45
16 degrees with respect to said internal surface.

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18 8. **(Original)** The device set forth in claim 7 wherein said
19 outwardly extending wall is positioned at an angle between 15 and
20 45 degrees with respect to said outermost wall portion.